**In-class Exercise**

Write SQL queries for the following: (submit the query and a screenshot of the results)

1. Display the maximum total\_payment of invoices. (5 Points)

“select max(payment\_total) from invoices;”



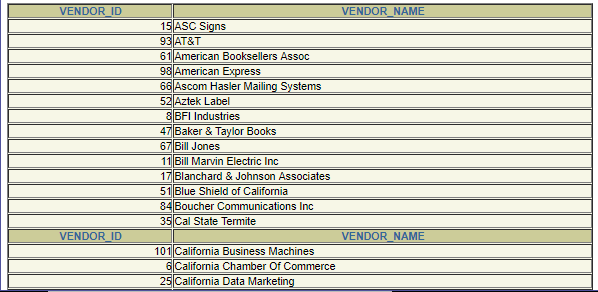
2. List the number of VENDORS in each state and the number should be greater than 5. (20 points)

“select vendor\_state, count(vendor\_state) from vendors group by vendor\_state having count(vendor\_state) > 5;”



3. List the vendor\_ID, vendor NAME for those who do not have any invoice. (15 Points)

“select vendor\_id, vendor\_name from vendors where vendors.vendor\_id not in (select invoices.vendor\_id from vendors, invoices where invoices.vendor\_id = vendors.vendor\_id);”



4. List the vendor\_ID, vendor NAME and the number of invoices for each vendor. List only those that have more than 2 invoices. (20 Points)

5. List the invoice\_id for the highest invoice value . [Use sub-query. Do not hard-code the value] (20 points)

“select invoice\_id from invoices

where invoice\_total in (select max(invoice\_total) from invoices);”



6. Write a SQL query to create a sequence MYSEQ, that starts from 100 and increment by 5. Display the next value in the sequence. (Submit two queries. One for creating the sequence and the other for displaying the next value.) (20 points)

“create sequence MYSEQ

increment by 5 start with 100;”



“select MYSEQ.nextval from dual;”

